



Differential LVPECL

Clock Oscillator

to

CCPD-920 Model 9×14 mm SMD, **3.3V, LVPECL**

Frequency Range: Frequency Stability:

Temperature Range: (Option X)

Storage: Input Voltage: **Input Current:** Output:

Symmetry: Rise/Fall Time: Linearity:

Terminated to Vdd-2V Logic: Logic "0"

Logic "1" Disable Time

Start-up Time

Phase Jitter: 12kHz to 80MHz **Phase Noise:** 10Hz

100Hz 1kHz

10kHz

100kHz - 100MHz

Aging:

50 MHz to 150 MHz

±20, ±25, ±50ppm (0℃ to 70℃) ±25, ±50ppm (-40℃ to 85℃)

0℃ to 70℃ -40℃ to 85℃ -45℃ to 90℃ $3.3V \pm 0.3V$

88mA Max

Differential LVPECL 45/55% Max @ 50% Vdd 1ns Max @ 20% to 80% Vdd

± 10% Max into 50 ohms

"0" = Vcc-1.85V Min, Vcc-1.62V Max "1" = Vcc-1.02V Min, Vcc-0.81V Max

200ns Max

1ms Typical, 2ms Max

0.5psec Typical, 1psec RMS Max

-65 dBc/Hz Typical -98 dBc/Hz Typical -125 dBc/Hz Typical -140 dBc/Hz Typical

-145 dBc/Hz Typical <3ppm 1st year, <1ppm every year thereafter

cost saving FR5 PCB and UM-1 overtone

crystal technology. This design offers considerable cost savings over other HFF

XO's products. Also available in fully 14 pin dip hermetic

package.





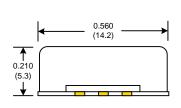
meet

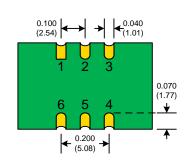
applications.

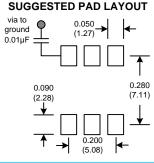
CCPD-920 is produced using our

today's

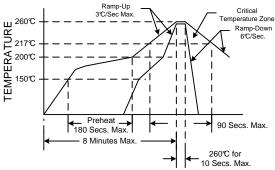
0.560 (14.2)**CRYSTEK** P/N 0.360 (9.14)Frequency **Date Code**







RECOMMENDED REFLOW SOLDERING PROFILE



NOTE: Reflow Profile with 240℃ peak also acceptable.

PIN	Function
1	NC
2	E/D
3	GND
4	OUT
5	COUT
6	Vdd

Tri-State Function		
Function pin 2	Output pin	
Open "0" level Vcc-1.620V Max "1" level Vcc-1.025V Min	Active Active High Z	
Disabled State:		

Pin 5 will assume a fixed level of logic "1"

Pin 4 will assume a fixed level of logic "0"

CCPD-920 X - 25 - 100.000 #3 #4 Stability Indicator #1 Crystek 9×14 SMD PECL OSC #2 Model 920 #3 Temp. Range: Blank = 0/70℃, X=-40/85℃ 20 = 0/70℃ (±20ppm) #4 Stability: (see Table 1) 25 = 0/70°C (±25ppm) 50 = 0/70°C (±50ppm) #5 Frequency in MHz: 3 or 6 decimal places 25 = -40/85°C (±25ppm) 50 = -40/85℃ (±50ppm) Table 1 CCPD-920X-25-100.000 = 3.3V, 45/55, -40/85°C, 25ppm, 100.000 MHz

Crystek Part Number Guide

Specifications subject to change without notice.

TD-051101 Rev. E

